

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

5 Entitled : A DRUM, IN PARTICULAR A DRUM FORMING A
 TURBOMACHINE ROTOR, A COMPRESSOR, AND A
 TURBOSHAFT ENGINE INCLUDING SUCH A DRUM

Inventors : MONS Claude

10

Assignee : SNECMA MOTEURS

15

ABSTRACT OF THE DISCLOSURE

 The drum of the invention is generally in the form
of a body of revolution about a longitudinal axis, being
made of a metal alloy and extending between an upstream
20 end and a downstream end along a curved profile capable
of being circumscribed in an annular envelope extending
around said longitudinal axis, said profile extending
radially about a surface of revolution presenting a
generatrix line, said downstream end being provided with
25 a stiffener. In characteristic manner, said stiffener is
provided with at least one composite assembly mounted on
said downstream end, said composite assembly comprising
fibers and a polymer matrix. The drum is preferably for
use in constituting a rotor of a low pressure compressor.
30